**Java - Introduction to Programming**

**Lecture 13**

**String Builder**

**Declaration**

**StringBuilder sb = new StringBuilder("Apna College");**

**System.out.println(sb);**

**Get A Character from Index**

**StringBuilder sb = new StringBuilder("Tony");**

**//Set Char**

**System.out.println(sb.charAt(0));**

**Set a Character at Index**

**StringBuilder sb = new StringBuilder("Tony");**

**//Get Char**

**sb.setCharAt(0, 'P');**

**System.out.println(sb);**

**Insert a Character at Some Index**

**import java.util.\*;**

**public class Strings {**

**public static void main(String args[]) {**

**StringBuilder sb = new StringBuilder("tony");**

**//Insert char**

**sb.insert(0, 'S');**

**System.out.println(sb);**

**}**

**}**

**Delete char at some Index**

**import java.util.\*;**

**public class Strings {**

**public static void main(String args[]) {**

**StringBuilder sb = new StringBuilder("tony");**

**//Insert char**

**sb.insert(0, 'S');**

**System.out.println(sb);**

**//delete char**

**sb.delete(0, 1);**

**System.out.println(sb);**

**}**

**}**

**Append a char**

Append means to add something at the end.

import java.util.\*;

public class Strings {

public static void main(String args[]) {

StringBuilder sb = new StringBuilder("Tony");

sb.append(" Stark");

System.out.println(sb);

}

}

**Print Length of String**

**import java.util.\*;**

**public class Strings {**

**public static void main(String args[]) {**

**StringBuilder sb = new StringBuilder("Tony");**

**sb.append(" Stark");**

**System.out.println(sb);**

**System.out.println(sb.length());**

**}**

**}**

**Reverse a String (using StringBuilder class)**

**import java.util.\*;**

**public class Strings {**

**public static void main(String args[]) {**

**StringBuilder sb = new StringBuilder("HelloWorld");**

**for(int i=0; i<sb.length()/2; i++) {**

**int front = i;**

**int back = sb.length() - i - 1;**

**char frontChar = sb.charAt(front);**

**char backChar = sb.charAt(back);**

**sb.setCharAt(front, backChar);**

**sb.setCharAt(back, frontChar);**

**}**

**System.out.println(sb);**

**}**

**}**

**Homework Problems**

Try Solving all the String questions with StringBuilder.